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On the stability of some fixed point procedures. (English) [Zbl 1031.47030](#)
Bul. Ştiinţ. Univ. Baia Mare, Ser. B, Fasc. Mat.-Inform. 18, No. 1, 7-14 (2002).

Summary: Following the concept of T -stability defined by us [“Generalized contractions and applications” (Romanian) (Colectia Universitaria, Editura Cub Press 22, Baia Mare) (1997; [Zbl 0885.47022](#))] for a fixed point iteration procedure, we establish in a simpler manner the same stability results for the Picard iteration and Mann iteration considered in metric spaces and normed linear spaces, respectively.

MSC:

- [47H10](#) Fixed-point theorems
- [54H25](#) Fixed-point and coincidence theorems (topological aspects)
- [47J25](#) Iterative procedures involving nonlinear operators
- [65D15](#) Algorithms for approximation of functions

Cited in **4** Reviews
Cited in **31** Documents

Keywords:

[fixed point iteration](#); [T-stability](#)